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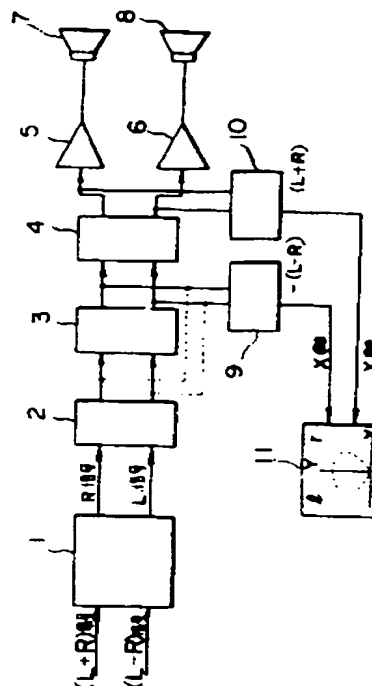
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TITLE : VOICE DISPLAY UNIT



ABSTRACT : PURPOSE: To ensure a viewing by eyes for the direction and extension of the sound field, by performing a display with the (L+R) signal and -(L-R) signal added to the Y and X axes of a CRT.

CONSTITUTION: The L and R signals are separated from the main signal (L+R) and the secondary signal (L-R) signals each through the stereo signal process circuit 1. These signals L and R are supplied to the sound volume control circuit 4 via the balance control circuit 2 and the sound quality control circuit 3 each. The output of the circuit 4 is delivered through the speakers 7 and 8 via the amplifiers 5 and 6 each. The L and R output signals of the circuit 3 are supplied to the level difference detecting circuit 9, and thus the -(L-R) is detected to be supplied to the X axis of the CRT11. On the other hand, the L and R output signals sent from the circuit 4 are added together through the adder circuit 10, and this output (L+R) is supplied to the Y axis of the CRT11. Then the extension of the sound field is displayed on the CRT11.

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